Activity: Fossils Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Enquiry standards:

1.4 Work constructively and adaptively with others as a team on a scientific investigation

1.8 Identify, and make critical use of, secondary information

4.2 Follow instructions accurately but be able to adapt to unforeseen circumstances

**Instructions:**

* You have seven labeled fossil specimens. They range in age from 20 million to 400 million years.
* Use the reference sheets provided to identify each specimen.
* Match the specimen with its group in the table below:

|  |  |
| --- | --- |
| Major group | Write the letter on the matching specimen(s) in the space below. |
| Arthropod |  |
| Brachiopod |  |
| Cephalopod |  |
| Echinoderm |  |
| Chondrichtyes |  |

* Use your own knowledge, or refer to the *Fossils Eyewitness guide* to answer the questions which follow:

1. Megalodon was reconstructed from a very large tooth. Do you think the reconstruction is realistic?

Why?

1. Name two other groups of animals (apart from starfish) that are related to heart urchins.
2. Living sea urchins may be found today. How does a heart urchin feed?
3. What does the name ‘trilobite’ refer to?
4. When did trilobites become extinct?
5. In what way are belemnites and ammonites similar?
6. What is one major difference between modern squid and the extinct belemnites?
7. Although brachiopods resemble seashell they are not mollusks. State **one** difference between the two groups.